



SpacePilot Pro 3dConnexion: 3D Mouse and Buttons not working, only display and menu buttons

Fix a SpacePilot Pro 3D mouse from 3d connexion with the following symptom: - display working and buttons next to the display working - connection with the Computer working - 3D joystick and buttons around it not working or only temporarily working

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INTRODUCTION

I don't know how many of you this might affect: I got a SpacePilot Pro with the action buttons and the 3D Mouse not working.

I figured out it was just a loose contact in the flat ribbon cable inside the device. So I opened it, reconnected the flat ribbon cable and there you go - it was working again perfectly!

I don't know how many of you might be interested so I kept the explanation quite short and did not take so many explanatory pictures. Please let me know if you need more information or have any questions!



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
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Step 1 — loose contact in flat ribbon cable



- gently remove the rubber sticker on the bottom of the device.
- also remove the big sticker with the model name and device information on the bottom of the device

Step 2



- unscrew the five black screw that were uncovered under the rubber stickers
- unscrew the three silver screw that were uncovered under the device information sticker

Step 3



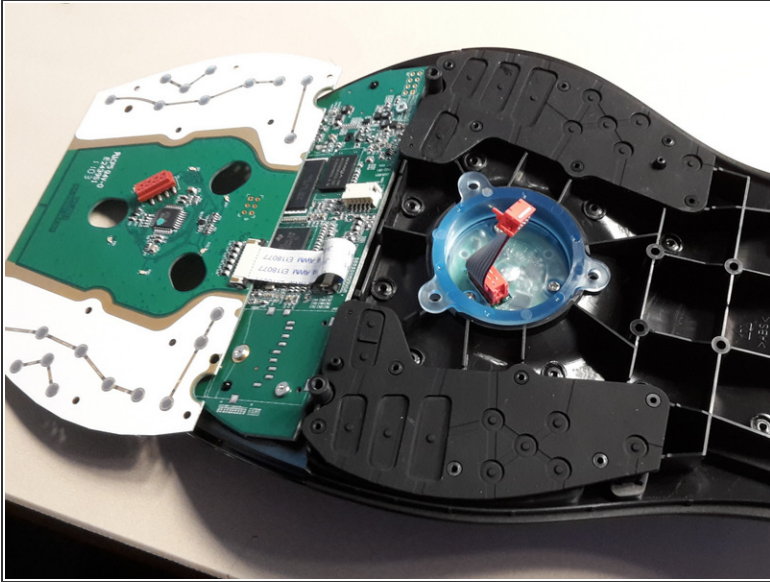
- open the casing without applying force starting from the flat part of the device (opposite of the cable). It should come apart easily since no hooks or similar are being used.

Step 4



- Inside the device, you see two PCBs: one that holds the display and the display menu and control keys. The other holds the electronics for the 3D joystick and the action keys.
- Both PCBs are interconnected by a flat ribbon cable. This cable caused the problem in my case due to a loose contact.
- Unscrew the screws of the latter PCB underneath the 3D joystick.
- Gently lift the PCB and disconnect the short flat cable with the red plug connecting the PCB with the 3D-joystick

Step 5



- open the flat ribbon cable plug by gently pulling the dark ends of the plug thereby opening the internal plug mechanism. Do this on both ends of the plug.
- If dust or anything else is inside the plug on the contact area of the cable, remove it. Also wipe the contacts of the cable.
- I reconnected the cable the other way around (contacts facing same directions, though!) in the hopes that the contacts would pierce a new spot on the cable. Don't know if this actually makes a difference, though.

assemble the whole device by following the steps in opposite direction.

reconnecting the red plug for the 3D-joystick was a bit tricky - but I couldn't figure out how this was actually ment to be done better.

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